

Sun DEC 2nd

Work Order ID 153272

Tuesday, November 15, 2016 11:17:56 AM

153272

Page 1

Item ID: 647.7333



Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Lower Cutter Removable Provisions

Start Date: 12/22/2016 Start Qty: 1.00

1

Cust Item ID:

Required Date: 12/22/2016 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: VS Date: 12/11/16

Tooling:

Date:

Run Start

NR1

QC: Date: 12/11/16

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
100	Document Control	0.00							
100	DOCUMENT CONTROL								
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPP 647.7333								
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.00							
Quality Control									

PRELIMINARY ISSUE

DEC 19 2016

NOV 17 2016

DEC 19 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																											
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval																																																							
Description Work Order Deviation				Disposition				Completed By																																																							
								Lead hand / Supervisor Approval Verification																																																							
								QC / QA Coordinator Approval																																																							
Root Cause		FAULT CATEGORY																																																													
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____	
Misidentified ☐	Past Due ☐																																																														

Work Order ID 153272

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Page 2

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Accept

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NS1

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Stop

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1

Customer:

Reference:

Approvals:

Process Plan: _____

Date: _____

Tooling: _____

Date: _____

Run Start

NR1

QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Stop

NR2Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

0.00

130

Packaging

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP 647.7333
Location: FG109DAS
27
9-89

140

0.00

140

QC21- Final Inspection - Work Order Release

QC

Memo

0.00

Quality Control

DEC 19 2016

DEC 19 2016

DAS
21
9-89

DEC 19 2016

POSITIVE RECALL

EFFECTIVE

AUTH

RELEASED

DATE

Rb 16 1006 01

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
						QC / QA Coordinator Approval			
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								

Picklist Print

Tuesday, November 15, 2016 11:17:56 AM

Page 1

Work Order ID: 153272

153272

Parent Item: 647.7333

647 7333

Parent Item Name: Lower Cutter Removable Provisions

Start Date: 12/22/2016

Required Date: 12/22/2016

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 16.09.28 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
601.3902 Eye Bolt		Manufactured	No				Each	1.0000		1			
601 3902 <i>N/A</i>													
				<u>Location</u>			<u>Loc Qty</u>			<u>Loc Code</u>			
				cck101			1						
					147212		1						
647.7501 Lower Cutter Assembly		Manufactured	No				Each	0.0000		1			
647 7501 <i>DAS 27 9-89</i>													
647.7702 Strut Assembly		Manufactured	No				Each	3.0000		2			
647 7702 <i>DAS 27 9-89</i>													
				<u>Location</u>			<u>Loc Qty</u>			<u>Loc Code</u>			
				CCK076			3						
					146723		3						
647.0112 Strut Bracket		Manufactured	No				Each	79.0000		2			
647 0112 <i>DAS 27 9-89</i>													
				<u>Location</u>			<u>Loc Qty</u>			<u>Loc Code</u>			
				CCK107			54						
					150114		42						
					151352		12						
				CCK108A			25						
					150895		15						
					151894		10						

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : _____							

Picklist Print

Tuesday, November 15, 2016 11:17:56 AM

Work Order ID: 153272

153272

Parent Item: 647.7333

647 7333

Parent Item Name: Lower Cutter Removable Provisions

Start Date: 12/22/2016

Required Date: 12/22/2016

Start Qty: 1.00

Required Qty: 1.00

AN44-5A

Purchased

No

Each

27.0000

2

AN44-5A

Eyebolt

**

DAS
6
9-89

NOV 17 2016

Location

Loc Qty

Loc Code

ST339

27

m135127

3

m135774

12

m136047

12

AN665-34R

Purchased

No

Each

23.0000

2

AN665-34R

Clevis

**

NOV 17 2016

DAS
6
9-89

Location

Loc Qty

Loc Code

ST330

23

M135603

3

M135948

20

AN3-11A

Purchased

No

Each

96.0000

2

AN3-11A

Bolt

**

NOV 17 2016

DAS
6
9-89

Location

Loc Qty

Loc Code

ST349

96

m135390

2

m135767

94

AN4C7A

Purchased

No

Each

96.0000

2

AN4C7A

BOLT

**

NOV 17 2016

DAS
6
9-89

Location

Loc Qty

Loc Code

OVER002

70

m135864

70

ST345

26

m135470

26



Work Order update only

Work Order: _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS							
Part No. _____				Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐				
				Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐				
NCR No. _____				Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐				
Date : _____		Step #: _____		QTY Effective : _____				MRB (QSI042) Approval			
Description Work Order Deviation				Disposition				Completed By			
								Lead hand / Supervisor Approval Verification			
								QC / QA Coordinator Approval			
Root Cause Environment ☐ No Re-verification ☐ Design ☐ Operator ☐ Doc/Data ☐ Offset/Setup ☐ Equip/Tooling ☐ Supplier ☐ Handling/Pre ☐ Training ☐ Material ☐ Use for Testing ☐ Internal Transport ☐ Poor Information ☐ Tribal Knowledge ☐ Rushing ☐ LOA ☐ Product Improvement ☐ Substation ☐ Process Improvement ☐ Past Expiry Date ☐ Manufacturing Process ☐ Misidentified ☐ Past Due ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Temperature/Cure ☐ Power Loss/Surge ☐ Positioned Wrong ☐ Bending ☐ Set-up ☐ Folio/Program ☐ Outside Dimensions ☐ Centre Not Concentric ☐ BOM/Route ☐ Grain ☐ Over/Under tolerance ☐ Cracks ☐ Broken/Damage/Defect ☐ Weld ☐ Part Incorrect ☐ Crimp/Kink/Ripple/Wave ☐ Inspection Incomplete/Unqualified ☐ Wrong Stock Pulled ☐ Part Lost/Missing ☐ Cuffs ☐ Contamination ☐ Out of Sequence ☐ Part Moved ☐ Crushing ☐ Countersink ☐ Off-set ☐ Drawing ☐ Heat Treat ☐ Cut Too Short ☐ Mislabeled ☐ Finish ☐ Wave/Twist in Tube ☐ Instructions Incomplete/Unclear ☐ Fit/Function ☐ Misread ☐ Marks/Chatter ☐ Drill Holes ☐ Misaligned/off center ☐ Turning Sequence									
OTHER : _____											

Picklist Print

Page 3

Tuesday, November 15, 2016 11:17:56 AM

Work Order ID: 153272

153272

Parent Item: 647.7333

647 7333

Parent Item Name: Lower Cutter Removable Provisions

Start Date: 12/22/2016

Required Date: 12/22/2016

Start Qty: 1.00

Required Qty: 1.00

NAS6603-12 Purchased No
NAS6603-12 ✓
 Bolt

Each 136.0000 4

NOV 17 2016
 DAS 6 9-89

DAS 27 9-89

Location

Loc Qty

Loc Code

st552
 123900
 m130388

136
 124
 12

4

mf

NAS6603-16 Purchased No
NAS6603-16 ✓
 Bolt

Each 81.0000 4

NOV 17 2016
 DAS 6 9-89

DAS 27 9-89

Location

Loc Qty

Loc Code

st552
 m128199
 m130388
 m133523

81
 19
 12
 50

4

mf

MS21042-08 MS21042L08 Purchased No
MS21042-08 ✓
 USE MS21042L08
 MS21042-3 MS21042L3 Purchased No
MS21042-3 ✓
 Nut

Each 0.0000 2

NOV 17 2016
 DAS 6 9-89

DAS 27 9-89

Each 0.0000 2

NOV 17 2016
 DAS 6 9-89

DAS 27 9-89

Tuesday, November 15, 2016 11:17:56 AM

Shop Packet Print

Page 3

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By		
							Lead hand / Supervisor Approval Verification		
							QC / QA Coordinator Approval		
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

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Work Order ID: 153272

153272

Parent Item: 647.7333

647 7333

Parent Item Name: Lower Cutter Removable Provisions

Start Date: 12/22/2016

Required Date: 12/22/2016

Start Qty: 1.00

Required Qty: 1.00

MS21042L4

Purchased

No

Each

1,964.000

2

MS21042L4 ✓

Nut

NOV 17 2016

DAS
6
9-89

DAS
27
9-89

Location	Loc Qty	Loc Code
FP001	34	
m133363	34	
GA	204	
m135058	204	
OVER007	500	
m135979	500	
ST303	1226	
m135774	226	
m135864	1000	

AN316C4R

Purchased

No

Each

13.0000

2

AN316C4R ✓

Nut, Jam

NOV 17 2016

DAS
6
9-89

DAS
27
9-89

Location	Loc Qty	Loc Code
ST331	13	
m135840	13	

MS27039-08-13

Purchased

No

Each

72.0000

2

MS27039-08-13 ✓

Screw

NOV 17 2016

DAS
6
9-89

DAS
27
9-89

Location	Loc Qty	Loc Code
ST278	72	
124326	72	

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
				Completed By					
				Lead hand / Supervisor Approval Verification					
				QC / QA Coordinator Approval					

Root Cause				FAULT CATEGORY			
Environment ☐	Design ☐	Doc/Data ☐	Equip/Tooling ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐
Handling/Pre ☐	Material ☐	Internal Transport ☐	Tribal Knowledge ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐
LOA ☐	Substation ☐	Past Expiry Date ☐	Misidentified ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐
				Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐
				Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐
				Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐
				Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐
				Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐
				Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐
				Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐
				OTHER : _____			

Picklist Print

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153272

Parent Item: 647.7333

647 7333

Parent Item Name: Lower Cutter Removable Provisions

Start Date: 12/22/2016

Required Date: 12/22/2016

Start Qty: 1.00

Required Qty: 1.00

NAS1149FN832P

Purchased

No

Each

1,463.000

4

NAS1149FN832P

Washer

**

NOV 17 2016

DAS
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

1285

M135058

1285

ST263

178

M135603

178

Each

1,167.000

**

NOV 17 2016

DAS
6
9-89

NAS1149C0432R

Purchased

No

NAS1149C0432R

WASHER

Location

Loc Qty

Loc Code

GA

373

m134676

373

ST266

794

m135979

794

Each

1,641.000

**

NOV 17 2016

DAS
6
9-89

DAS
27
9-89

NAS1149F0532P

Purchased

No

NAS1149F0532P

Washer

Location

Loc Qty

Loc Code

ST260a

600

m133725

600

ST262

1041

18057

1041

DAS
27
9-89

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					



SUBJECT:
Manufacturing Process Procedure
EC-135 CCK Configuration Management

DOCUMENT NO:
MPP-195
Rev. N/C
12/15/16

Table 15: Universal Wiper Deflector (WD) Assembly, 647.7341

FIND #	PART #	DESCRIPTION	QTY
4	647.1601	WIPER DEFLECTOR ASSY, AFT	1
5	647.1610	WIPER DEFLECTOR, FWD	1
29	647.1914	BRACKET	1
30	647.1602	DOUBLER ASSY	1
35	647.3201	GROUNDING CABLE ASSY	1
47	601.1324	BOLT	1
52	601.2973	LOCKNUT	1
53	601.2943	LOCKNUT	3
60	601.2525	SCREW	1
63	601.2198	SCREW	3
67	601.1622	SCREW	4
72	601.2999	SCREW	3
85	601.2764	WASHER	2
86	601.1607	WASHER	10
89	601.2375	WASHER	3

SHOP COPY
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WITHOUT NOTICE
WORK CENTER
NO. 153272
UM

DEC 16 2016

Work Order ID 153272

Friday, December 16, 2016 10:21:14 AM

153272

Page 1

Item ID: 647.7333

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: EC135 TI/PI Lower Cutter Removable Provisions

Start Date: 12/22/2016 Start Qty: 1.00

1

Cust Item ID:

Required Date: 12/22/2016 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Draw Nbr

Revision Nbr

MPP-195

N/C

100

Document Control

0.00

100

DOCUMENT CONTROL

DC

Memo

0.00

Doc.Control -USB or Paperwork

Photocopy bluefile & type labels per PPP 647.7333

DAS
21
9-89

DEC 16 2016

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Memo

0.00

Quality Control

Marie Lajeunesse

From: Kim Johnston
Sent: Friday, December 16, 2016 9:51 AM
To: Marie Lajeunesse
Subject: FW: EC135 CCK MPP & IIN corrections

Thanks,

Kim Johnston
Engineering Clerk
Document Administrator

DART AEROSPACE
T 1 613 632-5200 > ext. 226
F 1 613 632-9311



From: Sian Willems
Sent: Monday, December 12, 2016 9:21 AM
To: Lisa McMachen <lmcmachen@dartaero.com>; Kim Johnston <kjohnston@dartaero.com>
Subject: RE: EC135 CCK MPP & IIN corrections

Go ahead and load. A corrected version will follow once DaveM makes the updates.

SIAN WILLEMS
Customer Support Manager

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From: Lisa McMachen
Sent: Monday, December 12, 2016 8:26 AM
To: Kim Johnston <kjohnston@dartaero.com>; Sian Willems <swillems@dartaero.com>
Subject: FW: EC135 CCK MPP & IIN corrections

Hi Sian,
Kim says that the paperwork is not jiving...can we load the attached documents to the website as discussed on Friday? Please see the attached email.

Thanks,
Lisa McMachen

From: Sian Willems
Sent: Monday, December 12, 2016 7:21 AM



REFERENCE ONLY

SUBJECT:
Manufacturing Process Procedure
EC-135 CCK Configuration Management

DOCUMENT NO:
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Rev. N/C
12/15/16

Table 12: T1/P1 LC Removable Provisions Kit, 647.7333

FIND #	PART #	DESCRIPTION	QTY
2	647.7501	LOWER CUTTER ASSY	1
10	647.7702	STRUT ASSY	2
14	647.0112	STRUT BRACKET	2
38	601.3121	EYE BOLT AN4-5A	2
40	601.3119	CLEVIS AN665-34R	2
46	601.2826	BOLT AN3-11A	2
48	601.2669	BOLT AN4CTA	2
49	601.1500	BOLT NAS6603-12	4
50	601.3130	BOLT NAS6603-16	4
52	601.2973	LOCKNUT MS21042L08	2
53	601.2943	LOCKNUT MS21042L05	2
54	601.3209	LOCKNUT MS21042L4	2
55	601.3128	NUT AN316C4R	2
61	601.2988	SCREW MS27039-0813	2
85	601.2764	WASHER NAS1149FN832P	4
87	601.3663	WASHER NAS11490432R	4
88	601.3126	WASHER NAS1149F0530P	2